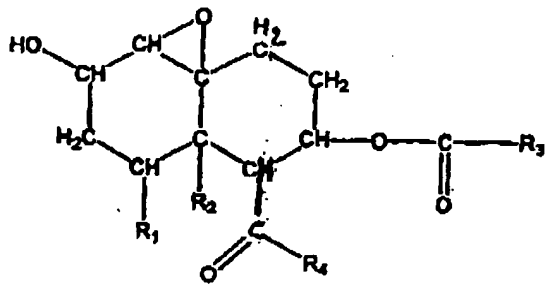
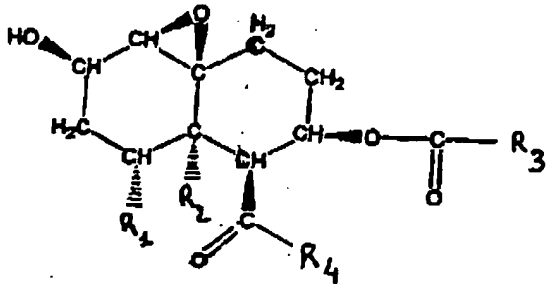
CLAIMS

1. Neuroactive substance characterised in that it complies with the formula (0)



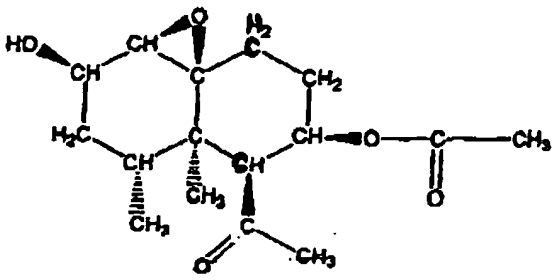
wherein R1, R2, R3 and R4 are identical or different and are methyl or ethyl radicals.

2. Neuroactive substance according to claim 1 characterised in that it complies with the formula (I)



3. Neuroactive substance according to claim 2 characterised in that it consists of 6S-acetyl-4R,5R-dimethyl-1R(10S)-epoxy-2R-hydroxy-7R-

acetoxydecahydronaphthalene according to formula (II)



4. Substance according to claim 3 characterised in that it is extracted from the Cnidarian *Rhytisma fulvum*.

5. Substance according to claim 1, 2 or 3 characterised in that it is produced by chemical synthesis.

6. Use of a substance according to any of claims 1, 2 or 3 to produce a pharmacological reagent.

7. Use according to claim 6 characterised in that said pharmacological reagent is a selective transient low voltage activated calcium membrane channel activator.

8. Use of a substance according to any of claims 1, 2 or 3 to produce an insecticide.

9. Use according to claim 8 characterised in that said substance is used in association with another insecticide.

10. Use of a substance according to claim 1, 2 or 3 to produce a medicinal product intended to treat diseases associated with neuronal excitability disorders.

11. Use according to claim 10 to produce a dopaminergic neuron activator medicinal product.

12. Use according to claim 11 to produce a medicinal product intended to treat Parkinson's disease.

13. Use according to claim 10 to produce a medicinal product intended to treat the decrease in the action potential frequency of pacemaker activity neurons.